

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
9 October 2003 (09.10.2003)

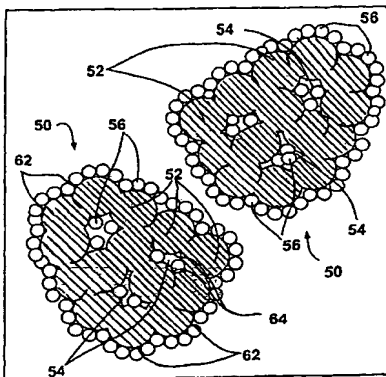
PCT

(10) International Publication Number  
WO 03/082436 A2

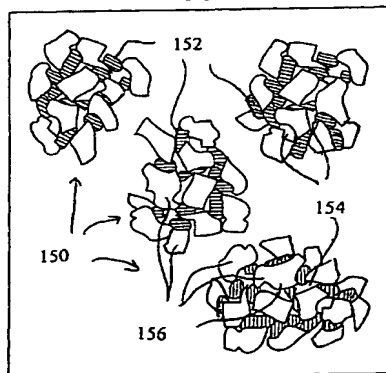
- (51) International Patent Classification<sup>7</sup>: B01D 39/00
- (21) International Application Number: PCT/US03/08755
- (22) International Filing Date: 24 March 2003 (24.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/367,028 23 March 2002 (23.03.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: FILTRATION MEDIA COMPRISING GRANULES OF BINDER-AGGLOMERATED ACTIVE COMPONENT



A



B

(57) Abstract: Granules comprise binder-agglomerated active particles for liquid treatment or filtration. Each granule has a center core of a material that itself has binding properties without the addition of other binders or sprays or adhesives, or, alternatively, each granule comprises a matrix of active materials stuck together with the binder. The binder structure preferably ranges from a non-uniform matrix of binder formed by heat-deformed binder particles, to a clump of binder particles generally retaining the original shape or the binder particles, to non-continuous connectors of binder between active particles. The invented two-part media has high surface area per volume of media, which, because the outer surface and inner void surfaces of the particles are preferably substantially covered with active particles, translates to high activity for the preferred treatment process. Therefore, while a mixture of active particles may be used and a mixture of binders may be used, each media granule preferably consists only of a matrix, clump, or plurality of connectors of binder coated with active particles, with preferably no support for the active component other than the binder material.